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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/728,486
				Filing Date	12/5/2003
				First Named Inventor	David J. Ecker
				Art Unit	1637
Examiner Name	David Thomas				
Sheet	1	of	25	Attorney Docket Number	DIBIS-0012US.P1

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US 5,436,129	07/25/95	Stapleton	
		US 5,451,500	09/19/95	Stapleton	
		US 5,503,980	04/02/96	Cantor	
		US 5,523,217	06/04/96	Lupski et al.	
		US 5,527,675	06/18/96	Coull et al.	
		US 5,567,587	10/22/96	Kohne	
		US 5,580,733	12/03/96	Levis et al.	
		US 5,625,184	04/29/97	Vestal et al.	
		US 5,686,242	11/11/97	Bruice et al.	
		US 5,700,642	12/23/97	Monforte et al.	
		US 5,727,202	03/10/98	Kucala	
		US 5,745,751	04/28/98	Nelson et al.	
		US 5,759,771	06/02/98	Tilanus	
		US 5,770,367	06/23/98	Southern et al.	
		US 5,777,324	07/07/98	Hillenkamp	
		US 5,830,655	11/03/98	Monforte et al.	
		US 5,832,489	11/03/98	Kucala	
		US 5,851,765	12/22/98	Koster	
		US 5,864,137	01/26/99	Becker et al.	
		US 5,869,242	02/09/99	Kamb	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		DE 19802905	07/29/99	Bruker Daltonik		
		DE 19824280	12/02/99	Bruker Daltonik		
		DE 19852167	05/31/00	Bruker-Saxonia		
		EP 1138782	02/05/03	Bruker-Saxonia		
		EP 1234888	01/02/04	Bruker Daltonik		
		EP 1333101	08/06/03	Bruker Daltonik		
		GB 2325002	11/11/98	Bruker Franzen		
		GB 2339905	02/09/00	Bruker Daltonik		
		WO 92/008117	05/14/92	Tilanus		
		WO 93/003186	02/18/93	Hoffman LaRoche		

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		Number - Kind Code ² (if known)			
		US 5,871,697	02/16/99	Rothberg et al.	
		US 5,876,936	03/02/99	Ju	
		US 5,928,906	07/27/99	Koster	
		US 5,976,798	11/02/99	Parker et al.	
		US 5,981,176	11/09/99	Wallace	
		US 5,981,190	11/09/99	Israel	
		US 5,994,066	11/30/99	Bergeron et al.	
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		US 6,046,005	04/04/00	Ju	
		US 6,051,378	04/18/00	Monforte et al.	
		US 6,054,278	04/25/00	Dodge et al.	
		US 6,055,487	04/25/00	Margery et al.	
		US 6,061,686	05/09/00	Gauvin et al.	
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		US 6,074,831	06/13/00	Yakhini et al.	
		US 6,090,558	07/18/00	Butler et al.	
		US 6,104,028	08/15/00	Hunter et al.	
		US 6,111,251	08/29/00	Hillenkamp	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 93/008297	04/29/93	Baylor Cllg Med.		
		WO 94/016101	07/21/94	Sequenom-Koster		
		WO 94/021822	09/29/94	Sequenom-Koster		
		WO 95/004161	02/09/95	Pena et al.		
		WO 95/013396	05/18/95	U-Gene Research		
		WO 96/029431	09/26/96	Sequenom		
		WO 96/032504	10/17/96	Boston Univ.		
		WO 96/037630	11/28/96	SRI Int.		
		WO 98/003684	01/29/98	Hybridon Inc.		
		WO 98/014616	04/09/98	Perseptive Bio.		

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		Number - Kind Code ² (if known)			
		US 6,140,053	10/31/00	Koster	
		US 6,146,144	11/14/00	Fowler et al.	
		US 6,153,389	11/28/00	Haarer et al.	
		US 6,159,681	12/12/00	Zebala	
		US 6,180,372	01/30/01	Franzen	
		US 6,194,144	02/27/01	Koster	
		US 6,197,498	03/06/01	Koster	
		US 6,218,118	04/17/01	Sampson et al.	
		US 6,221,587	04/24/01	Ecker et al.	
		US 6,221,601	04/24/01	Koster et al.	
		US 6,221,605	04/24/01	Koster	
		US 6,225,450	05/01/01	Koster	
		US 6,235,476	05/22/01	Bergmann et al.	
		US 6,235,478	05/22/01	Koster	
		US 6,235,480	05/22/01	Shultz et al.	
		US 6,238,871	05/29/01	Koster	
		US 6,238,927	05/29/01	Abrams et al.	
		US 6,258,538	07/10/01	Koter et al.	
		US 6,265,716	07/24/01	Hunter et al.	
		US 6,268,129	07/31/01	Gut et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 98/015652	04/16/98	Brax Genomics		
		WO 98/020020	05/14/98	Sequenom Inc.		
		WO 98/020157	05/14/98	Infect. Diagnostic		
		WO 98/026095	06/18/98	GeneTrace Systems		
		WO 98/031830	07/23/98	Brax Genomics		
		WO 98/040520	09/17/98	Hybridon Inc.		
		WO 99/005319	02/04/99	Rapigene		
		WO 99/012040	03/11/99	Sequenom		
		WO 99/029898	06/17/99	Max-Planck-Gesell.		
		WO 99/057318	11/11/99	Hillenkamp		

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		Number - Kind Code ² (if known)			
		US 6,268,131	07/31/01	Kang et al.	
		US 6,268,144	07/31/01	Koster	
		US 6,268,146	07/31/01	Shultz	
		US 6,270,973	08/07/01	Lewiz et al.	
		US 6,270,974	08/07/01	Shultz et al.	
		US 6,277,573	08/21/01	Koster et al.	
		US 6,277,578	08/21/01	Shultz et al.	
		US 6,300,076	10/09/01	Koster	
		US 6,303,297	10/16/01	Lincoln et al.	
		US 6,312,893	11/06/01	Van Ness et al.	
		US 6,312,902	11/06/01	Shultz et al.	
		US 6,322,970	11/27/01	Little et al.	
		US 6,361,940	03/26/02	Van Ness et al.	
		US 6,372,424	04/16/02	Brow et al.	
		US 6,389,428	05/14/02	Rigault et al.	
		US 6,391,551	05/21/02	Shultz et al.	
		US 6,393,367	05/21/02	Tang et al.	
		US 6,419,932	07/16/02	Dale	
		US 6,423,966	07/23/02	Hillenkamp et al.	
		US 6,428,955	08/06/02	Koster et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 01/007648	02/01/01	Artus Gesellschaft		
		WO 01/023604	04/05/01	Infectio Diagnostic		
		WO 01/032930	05/10/01	Cal. Inst. Tech.		
		WO 01/051661	07/19/01	Amsterdam Supp.		
		WO 01/057263	08/09/01	Advion Biosciences		
		WO 01/057518	08/09/01	Goodnough		
		WO 01/073199	10/04/01	Ct. Applic. Mol.		
		WO 02/010186	02/07/02	Cal. Inst. Tech.		
		WO 02/010444	02/07/02	Univ. Sydney		
		WO 02/018641	03/07/02	Gemini Genomics		

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		US 6,432,651	08/13/02	Hughes et al.	
		US 6,436,635	08/20/02	Fu et al.	
		US 6,436,640	08/20/02	Simmons et al.	
		US 6,453,244	09/17/02	Oefner et al.	
		US 6,458,533	10/01/02	Felder et al.	
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		US 6,475,143	11/05/02	Iliff	
		US 6,475,736	11/05/02	Stanton Jr.	
		US 6,479,239	11/12/02	Anderson et al.	
		US 6,500,621	12/31/02	Koster	
		US 6,553,317	04/22/03	Lincoln et al.	
		US 6,558,902	05/06/03	Hillenkamp	
		US 6,566,055	05/20/03	Monforte et al.	
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		US 6,589,485	07/08/03	Koster	
		US 6,602,662	08/05/03	Koster et al.	
		US 6,605,433	08/12/03	Fliss et al.	
		US 6,613,509	09/02/03	Chen	
		US 6,623,928	09/23/03	Van Ness et al.	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 02/021108	03/14/02	Large Scale Prot.		
		WO 02/022873	03/21/02	Gyllesten et al.		
		WO 02/050307	06/27/02	Chugai Seiyaku		
		WO 02/057491	07/25/02	Leland Stanford		
		WO 02/070664	09/12/02	Isis Pharma.		
		WO 02/077278	10/03/02	Coun. Sci. Ind. Res.		
		WO 02/099034	12/12/02	Infect. Diagnostic		
		WO 03/002750	01/09/03	High Through. Gen.		
		WO 03/008636	01/30/03	Infectio Diagnostic		
		WO 03/016546	02/27/03	Whatman Inc.		

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		US 6,682,889	01/27/04	Wang et al.	
		US 6,716,634	04/06/04	Myerson	
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		US 2002/0137057	09/26/02	Wold et al.	
		US 2002/0138210	09/26/02	Wilkes et al.	
		US 2002/0150903	10/17/02	Koster et al.	
		US 2002/0150927	10/17/02	Matray et al.	
		US 2002/0168630	11/14/02	Fleming et al.	
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		US 2003/0129589	07/10/03	Koster et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 03/060163	07/24/03	Keygene N.V.		
		WO 03/088979	10/30/03	Univ. Montpellier		
		WO 03/093506	11/13/03	Renovo Limited		
		WO 03/097869	11/27/03	Con Cipio Gmbh		
		WO 04/052175	06/24/04	Isis Pharma.		
		WO 05/053141	06/09/05	Sanken Electric		
		CN 1202204	12/16/98	Sequenom		

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/728,486
				Filing Date	12/5/2003
				First Named Inventor	David J. Ecker
				Art Unit	1637
				Examiner Name	David Thomas
Sheet	8	of	25	Attorney Docket Number	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ALVES-SILVA, J. et al., "The Ancestry of Brazilian mtDNA Lineages," <i>Am. J. Hum. Genet.</i> (2000) 67:444-461.	
		ANDERSON et al., "Sequence and organization of the human mitochondrial genome," <i>Nature</i> (1981) 290:457-465.	
		ANDREASSON et al., "Mitochondrial Sequence Analysis for Forensic Identification Using Pyrosequencing Technology" <i>BioTechniques</i> (2002) 32:124-133.	
		Application Serial No: 09/798,007 Office Communication Mailed 04/16/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 06/20/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 11/06/02 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 01/08/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 01/31/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 02/27/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 05/20/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 07/11/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 09/22/03 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 11/19/03 (DIBIS-0002US)	

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				Application Number	10/728,486
				Filing Date	12/5/2003
				First Named Inventor	David J. Ecker
				Art Unit	1637
				Examiner Name	David Thomas
Sheet	9	of	25	Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 09/798,007 Office Communication Mailed 08/10/04 (DIBIS-0002US)	
		Application Serial No: 09/798,007 Office Communication Mailed 02/10/05 (DIBIS-0002US)	
		Application Serial No: 10/156,608 Office Communication Mailed 04/01/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 08/10/04 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 10/14/04 (DIBIS-0002US.D1)	
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		Application Serial No: 10/156,608 Office Communication Mailed 07/20/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 09/15/05 (DIBIS-0002US.D1)	
		Application Serial No: 10/156,608 Office Communication Mailed 06/02/05 (DIBIS-0002US.D1) with associated Information Disclosure Statement filed 11/28/2005.	

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				Filing Date	12/5/2003
				First Named Inventor	David J. Ecker
				Art Unit	1637
				Examiner Name	David Thomas
Sheet	10	of	25	Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 10/660,997 Office Communication Mailed 03/13/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 05/26/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 09/18/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 11/21/06 (DIBIS-0002US.P2)	
		Application Serial No: 10/660,997 Office Communication Mailed 04/26/07 (DIBIS-0002US.P2) with associated Information Disclosure Statement filed 02/20/2007	
		Application Serial No: 10/660,122 Office Communication Mailed 03/17/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 07/06/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 09/19/06 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 04/20/07 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 09/19/07 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,122 Office Communication Mailed 03/21/08 (DIBIS-0002US.P3)	
		Application Serial No: 10/660,996 Office Communication Mailed 02/28/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 05/30/06 (DIBIS-0002US.P4)	

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				<i>Application Number</i>	10/728,486
				<i>Filing Date</i>	12/5/2003
				<i>First Named Inventor</i>	David J. Ecker
				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	David Thomas
Sheet	11	of	25	<i>Attorney Docket Number</i>	DIBIS-0012US.P1

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		Application Serial No: 10/660,996 Office Communication Mailed 07/12/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 09/05/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 11/22/06 (DIBIS-0002US.P4)	
		Application Serial No: 10/660,996 Office Communication Mailed 07/10/07 (DIBIS-0002US.P4) with associated Information Disclosure Statement filed 02/21/2007	
		Application Serial No: 10/660,998 Office Communication Mailed 05/01/06 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 08/03/06 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 01/24/07 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 08/07/07 (DIBIS-0002US.P5)	
		Application Serial No: 10/660,998 Office Communication Mailed 12/11/07 (DIBIS-0002US.P5)	
		Application Serial No: 11/233,630 Office Communication Mailed 06/08/07 (DIBIS-0002US.C7)	
		Application Serial No: 11/233,630 Office Communication Mailed 07/13/07 (DIBIS-0002US.C7)	
		Application Serial No: 11/331,978 Office Communication Mailed 11/15/07 (DIBIS-0002US.C8)	
		Application Serial No: 11/331,987 Office Communication Mailed 07/16/07 (DIBIS-0002US.C9)	

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				First Named Inventor	David J. Ecker
				Art Unit	1637
				Examiner Name	David Thomas
Sheet	12	of	25	Attorney Docket Number	DIBIS-0012US.P1

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		Application Serial No: 11/331,987 Office Communication Mailed 10/22/07 (DIBIS-0002US.C9)	
		Application Serial No: 09/891,793 Office Communication Mailed 12/18/02 (DIBIS-0003US)	
		Application Serial No: 09/891,793 Office Communication Mailed 08/26/03 (DIBIS-0003US)	
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				<i>Examiner Name</i>	David Thomas
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		Application Serial No: 11/409,535 Office Communication Mailed 04/16/08 (DIBIS-0083US1)	
		Application Serial No: 10/418,514 Office Communication Mailed 09/29/05 (DIBIS-0035US)	
		Application Serial No: 10/418,514 Office Communication Mailed 02/27/06 (DIBIS-0035US)	
		Application Serial No: 10/418,514 Office Communication Mailed 03/27/07 (DIBIS-0035US)	
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		Application Serial No: 11/210,516 Office Communication Mailed 06/08/07 (DIBIS-0078US1)	

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				<i>Application Number</i>	10/728,486
				<i>Filing Date</i>	12/5/2003
				<i>First Named Inventor</i>	David J. Ecker
				<i>Art Unit</i>	1637
				<i>Examiner Name</i>	David Thomas
Sheet	15	of	25	<i>Attorney Docket Number</i>	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Application Serial No: 11/210,516 Office Communication Mailed 10/19/07 (DIBIS-0078US1)	
		Application Serial No: 11/409,535 Office Communication Mailed 10/31/07 (DIBIS-0083US1)	
		BAHRMAND et al., "Polymerase chain reaction of bacterial genomes with single universal primer: application to distinguishing mycobacteria species" <i>Molecular and Cellular Probes</i> (1996) 10:117-122.	
		BAHRMAND et al., "Use of restriction enzyme analysis of amplified DNA coding for the hsp65 gene and polymerase chain reaction with universal primer for rapid differentiation of mycobacterium species in the clinical laboratory" <i>Scandinavian Journal of Infectious Diseases</i> (1998) 30:477-480.	
		BASTIA et al., "Organelle DNA analysis of Solanum and Brassica somatic hybrids by PCR with 'universal primers'." <i>Theoretical and Applied Genetics</i> (2001) 102:1265-1272.	
		BATEY et al., "Preparation of Isotopically Labeled Ribonucleotides for Multidimensional NMR Spectroscopy of RNA" <i>Nucleic Acids Research</i> (1992) 20:4515-4523	
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		BLAST Search results (03/2006)	
		BOIVIN-JAHNS et al., "Bacterial Diversity in a Deep-Subsurface Clay Environment" <i>Applied and Environmental Microbiology</i> (1996) 62:3405-3412.	
		BORROW et al., "SiaD PCR Elisa for confirmation and identification of serogroup Y and W135 meningococcal infections" <i>FEMS Microbiological Letters</i> (1998) 159:209-214.	
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		CHANG, P.-K. et al., "aflT, a MFS transporter-encoding gene located in the aflatoxin gene cluster, does not have a significant role in aflatoxin secretion," <i>Fungal Genet.Biol.</i> (2004) 41:911-920.	
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		GRIFFIN et al., "Single-nucleotide polymorphism analysis by MALDI-TOF mass spectrometry" <i>Trends in Biotechnology</i> (2000) 18:77-84	

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				Filing Date	12/5/2003
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		INGMAN et al., "Mitochondrial genome variation and the origin of modern humans" <i>Nature</i> (2000) 408:708-713.	
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		International Search Report for PCT/US03/38795 dated 04/19/2004 (DIBIS-0002WO2)	
		International Prelim. Exam. Report for PCT/US02/20336 dated 05/12/2004 (DIBIS-0003WO)	
		International Search Report for PCT/US03/38757 dated 06/24/2004 (DIBIS-0002WO4)	
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		International Search Report for PCT/US03/38761 dated 12/30/2005 (DIBIS-0012WO)	
		International Search Report for PCT/US2004/011877 dated 04/20/2006 (DIBIS-0035WO)	
		International Search Report for PCT/US2005/000386 dated 05/09/2006 (DIBIS-0003WO2)	
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Sheet 21 of 25

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		LITTLE et al., "MALDI on a Chip: Analysis of Arrays of Low-Femtomole to Subfemtomole Quantities of Synthetic Oligonucleotides and DNA Diagnostic Products Dispensed by a Piezoelectric Pipet" <i>Analytical Chemistry</i> (1997) 69:4540-4546.	
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				Application Number	10/728,486
				Filing Date	12/5/2003
				First Named Inventor	David J. Ecker
				Art Unit	1637
				Examiner Name	David Thomas
Sheet	22	of	25	Attorney Docket Number	DIBIS-0012US.P1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NAKAO et al., "Development of a Direct PCR Assay for Detection of the Diphtheria Toxin Gene" <i>J. Clin. Microbiol.</i> (1997) 35:1651-1655.	
		NAUMOV et al., "Discrimination of the Soil Yest Species <i>Williopsis saturnus</i> and <i>Williopsis suaveolens</i> by the Polymerase Chain Reaction with the Universal Primer N21" <i>Microbiology (Moscow) (Translation of Mikrobiologiya)</i> (2000) 69:229-233.	
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				Filing Date	12/5/2003
				First Named Inventor	David J. Ecker
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				Examiner Name	David Thomas
Sheet	23	of	25	Attorney Docket Number	DIBIS-0012US.P1

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		VAN CAMP et al., "Amplification and sequencing of variable regions in bacteria 23S ribosomal RNA genes with conserved primer sequences" <i>Current Microbiology</i> (1993) 27:147-151.	
		VAN DER VOSSEN et al., "DNA based typing, identification and detection systems for food spoilage microorganisms: development and implementation" <i>Int. J. Food Microbiol.</i> (1996) 33:35-49.	
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		Table listing related applications and office actions and rejections from those related applications	
		Unpublished U.S. Patent Application No. 10/318,463 filed 12/13/2002.	
		Unpublished U.S. Patent Application No. 11/233,630 filed 09/21/2005.	
		European Application No. EP 02709785.2 filed 9/12/2002, Isis Pharma	

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